SUBJECT INDEX

The articles are arranged, with regard to the subjects, in numerical order according to the Universal Decimal Classification (Brit. Std. 1000). An alphabetical key is found on page iv.

061 SCIENTIFIC SOCIETIES

061.22(421) :59.006 — The Zoological Society of London. HARRISON MATTHEWS, L. 18.

51 MATHEMATICS

51/53(081) — A Newton collection. ANDRADE, E. N. DA C. 68.

53 PHYSICS

532.696.2 :541.183 :648.1 — Detergent action. ADAM, N. K. and STEVENSON, D. G. 25.

535.14:539.17 :539.185.9 — The Szilard-Chalmers effect. MADDOCK, A. G. 95.

535.421:681.4 — The production of diffraction gratings. SAYCE, L. A. 210.

535.822 :620.18 — Progress in metallurgical microscopy. MOTT, B. W. 154.

539.16/.17 :577.12 :581.132.1 :547.922.07 — Tracer technique in biosynthesis. CORNFORTH, J. W. 61.

539.17 :539.185.9 :535.14 — The Szilard-Chalmers effect. MADDOCK, A. G. 95.

539.185.9 :535.14 :539.17 — *Idem.*

54 CHEMISTRY

54:92 — George Wilson (1631–1711). GIBBS, F. W. 182.

54:92 — Guillaume-François Rouelle (1703–70). MCKIE, D. 130.

54:92 — John William Mallet, 1832–1912. REILLY, D. 48.

54–92 :541.135.27 :541.182.5 — Polyelectrolytes. KATCHALSKY, A. 90.

541.135.27 :541.182.5 :54–92 — *Idem.*

541.182.5 :54–92 :541.135.27 — *Idem.*

541.183:648.1 :532.696.2 — Detergent action. ADAM, N. K. and STEVENSON, D. G. 25.

541.63 — Stereochemistry: its basis and application to inorganic compounds. PALMER, W. G. 124.

545.83:546.29 — The micro-analysis of the inert gases. PANETH, F. A. 5.

546.29:545.83 — *Idem.*

547.425:577.11 — The biological importance of organic compounds of sulphur. CHALLENGER, F. 173.

547.458 :576.851.2 :577.1 — Bacterial polysaccharides. STACEY, M. 38.

547.922.07 :539.16/.17 :577.12 :581.132.1 — Tracer technique in biosynthesis. CORNFORTH, J. W. 61.

547.94:581.192 — Alkaloids in plants. JAMES, W. O. 76.

547.95:591.181 — A chemical phase in the transmission of nervous effects. DALE, SIR HENRY. 117.

55 GEOLOGY. GEOPHYSICS

551.594.2 :621.396.821 :621.3.018.7 — The wave-forms of atmospherics. CHIPLONKAR, M. W. 190.

57 BIOLOGY

575.3 — The evolution of adaptations. WADDINGTON, C. H. 134.

576.311.347 :576.34 — Morphological changes in chondriosomes. BUVAT, R. 33.

576.34 :576.311.347 — *Idem.*

576.851.2 :577.1 :547.458 — Bacterial polysaccharides. STACEY, M. 38.

577.1:547.458 :576.851.2 — *Idem.*

577.11:547.425 — The biological importance of organic compounds of sulphur. CHALLENGER, F. 173.

577.12 :581.132.1 :547.922.07 :539.16/.17 — Tracer technique in biosynthesis. CORNFORTH, J. W. 61.

577.42 :591.543.1 — Some animal reactions to variations of temperature. GEORGE, WILMA. 101.

578.087.1 — Biometry and the inductive method. MATHER, K. 140.

578.682(091) — The earliest figures of microscopic objects. SINGER, C. 197.

58 BOTANY

581.132.1 :547.922.07 :539.16/.17 :577.12 — Tracer technique in biosynthesis. CORNFORTH, J. W. 61.

581.192:547.94 — Alkaloids in plants. JAMES, W. O. 76.

59 ZOOLOGY

59.006 :061.22(421) — The Zoological Society of London. HARRISON MATTHEWS, L. 18.

591.181:547.95 — A chemical phase in the transmission of nervous effects. DALE, SIR HENRY. 117.

591.5 :595.752.3 — Some aspects of the biology of armoured scale insects. BARANYOVITS, F. L. C. 202.

591.543.1 :577.42 — Some animal reactions to variations of temperature. GEORGE, WILMA. 101.

595.46 — The biology of scorpions. VACHON, M. 80.

595.752.3 :591.5 — Some aspects of the biology of armoured scale insects. BARANYOVITS, F. L. C. 202.

598.883 — Humming-birds. BERLIOZ, J. 186.

61 MEDICAL SCIENCES

613.2–099 :664.8.035 :615.1.001.43 — Pharmacological aspects of chemicals in food. FRAZER, A. C. 43.

615.1.001.43 :613.2–099 :664.8.035 — *Idem.*

62 ENGINEERING

620.18:535.822 — Progress in metallurgical microscopy. MOTT, B. W. 154.

621.3.018.7 :551.594.2 :621.396.821 — The wave-forms of atmospherics. CHIPLONKAR, M. W. 190.

621.396.821 :621.3.018.7 :551.594.2 — *Idem.*

64 CLEANING

648.1 :532.696.2 :541.183 — Detergent action. ADAM, N. K. and STEVENSON, D. G. 25.

66 INDUSTRIES

664.8.035 :615.1.001.43 :613.2–099 — Pharmacological aspects of chemicals in food. FRAZER, A. C. 43.

68 FINE MECHANISMS

681.4:535.421 — The production of diffraction gratings. SAYCE, L. A. 210.

75 FINE ARTS

758.3 — Ornithological illustration. ALEXANDER, W. B. 144.

92 BIOGRAPHY

92:54 — George Wilson (1631–1711). GIBBS, F. W. 182.

92:54 — Guillaume-François Rouelle (1703–70). MCKIE, D. 130.

92:54 — John William Mallet, 1832–1912. REILLY, D. 48.

ALPHABETICAL KEY

Adaptation
  Evolution 575.3
Adsorption 541.183
Age determination
  Meteorites 545.83
Agene 664.8.035
Agenized flour 577.11
Alkaloids 547.94
Analytical chemistry 544/545
Animal ecology
  Temperature reactions 591.543.1
Argon 546.29
Armoured scale insects 591.57
Astronomy 52
Atmosphere
  Helium content 546.29
Atmospherics 621.396.821

Bacteriology 576.8
Biochemistry 577.1
Biography 92
Biology 57
Biometry 578.087.1
Biosynthesis 577.1
Birds 598
  Illustrations 758.3
Botany 58
Bread improvers 664.8.035

Carbon assimilation
  Photochemical 581.132.1
Cell activity 576.34
Cell structure 576.3
Chemical change
  Biology 577.12
Chemical industry 66
Chemistry 54
Cholesterol 547.922
Chondriosomes 576.311.347
Coccidae 595.752.3
Colloids 541.18
Contact angle 532.6
Cyclosis 576.34
Cytology 576.3

Detergents 648.1
Diet 613.2
Diffraction gratings 535.421
Domestic science 64
Dosage
  Food additives 615.1.001.43

Ecology 577.4
Electrical engineering 621.3
Electricity
  Atmospheric 551.59
Electrolytes
  Organic 541.135.27
Emulsion formation 532.69
Engineering 62
Evolution 575.3

Fine arts 75
Flour improvers 664.8.035
Foam formation 532.69
Food preservation 664

Gases
  Inert 546.29
Gels 541.182.5
Geophysics 55
Gratings
  Diffraction 535.421

Helium 546.29
Humming-birds 598.883

Illustrations
  Ornithological 758.3
Inert gases 546.29
Insects 595.7
Interfacial tension 532.6
Isotopes
  Radioactive 539.16

Krypton 546.29

Laundering 648
Lightning 551.594

Mallet, John William 54:92
Mathematics 51
Mechano-chemistry 541.182.5:54–92:541.135.27
Medical sciences 61
Metals
  Microscopy 620.18
Meteorites
  Age determinations 545.83
Meteorology 551.5
Methionine 547.425
Methylation
  Biochemistry 577.11
Microanalysis
  Quantitative 545.83
Microscopy 535.822
  Biology 578.682
Mitochondria 576.311.347

Neon 546.29
Nerve substances 547.95
Nervous system 591.18
Neutrons 539.185.9
Newton
  Collected works 51/53(081)
Nuclear transmutation 539.17

Optics 535
Organic chemistry 547
Ornithological illustration 758.3

Pharmacology 615.1
Photon emission 535.14
Photons 535.14
Photosynthesis 581.132.1
Physics 53
Plants
  Alkaloids 581.192:547.94
Pneumococci 576.851.2
Poisoning
  Food additives 613.2–099
Polyelectrolytes 541.135.27 :54–92:541.182.5
Polymers 54–92
Polysaccharides 547.458

Radiation
  Photon 535.14
Radioactivity 539.16
Radiocommunication 621.396
Radon 546.29
Recoil
  Nuclear 539.17
Rouelle, Guillaume-François 54:92
Ruling-engines 681.4

Scale insects 595.752.3
Scorpions 595.46
Societies 06
Statistics
  Biometry 578.087.1
Stereochemistry 541.63
Sterols 547.92
Stratosphere
  Helium content 546.29
Sulphur
  Organic compounds 547.425
Surface tension 532.6
Szilard-Chalmers effect 539.17:539.185.9:535.14

Temperature
  Animal reactions 577.42:591.543.1
Toxicity tests
  Food additives 615.1.001.43
Tracers
  Isotope 539.16
Trochilidae 598.883

Washing 532.69
Wave-forms 621.3.018.7
Wetting 532.696
Wilson, George 54:92

Xenon 546.29

Zoological garden
  London 59.006(421)
Zoological Society 061.22(421)
Zoology 59

R

Made and printed in Great Britain at THE KYNOCH PRESS, *Witton, Birmingham, 6, for the publishers*
IMPERIAL CHEMICAL INDUSTRIES LIMITED, *London, S.W.1*